

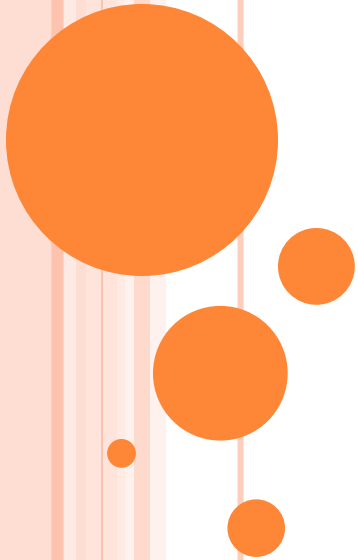
BASIC APIs AND SCRIPTING

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OVERVIEW

- What is web API?
- What is scripting?

Examples From RPL:

- Syndetic Contents
- Amazon Advertising API
- SirsiDynix Web Services
- Novelist and Our Search Catalog

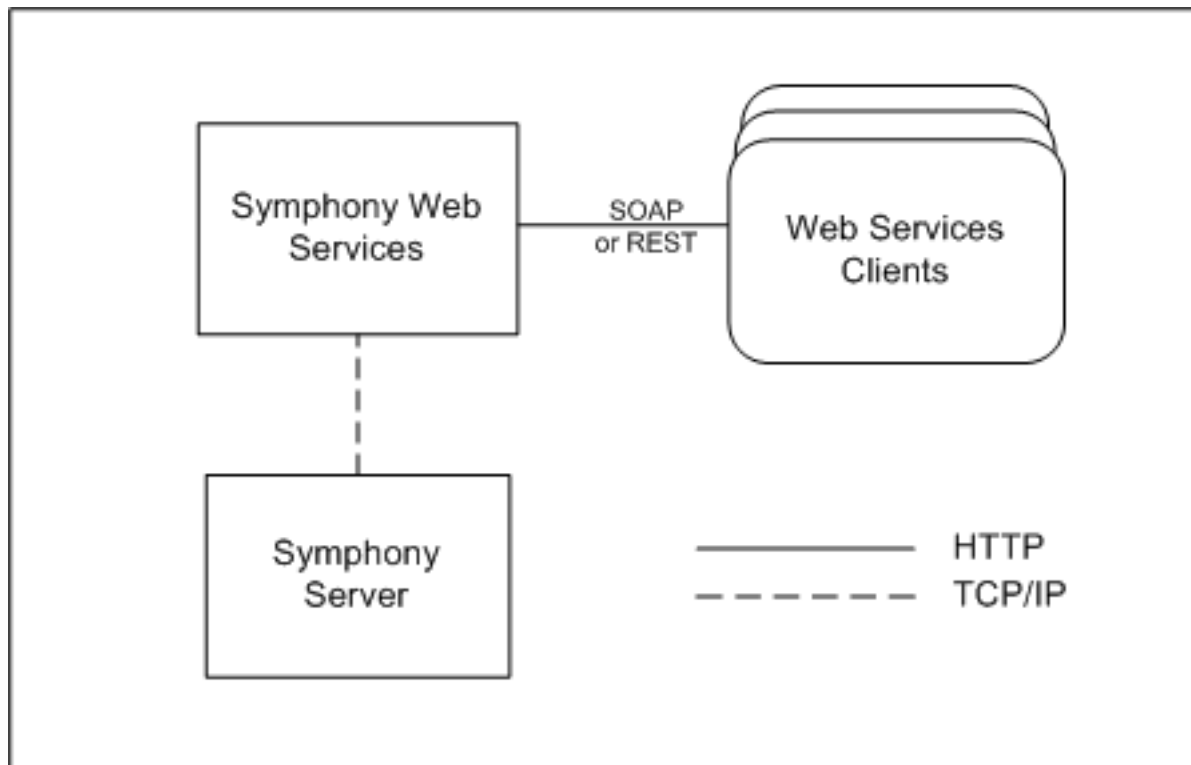


WHAT IS WEB API?

- API: Application Programming Interface
- API specifies how software components should interact
- Synonym with Web Services



SIRSiDYNIX API ARCHITECTURE



WHAT'S SCRIPTING?

- A high level programming language that is translated by another program at runtime rather than compiled by the computer's processor as other programming languages (such as C and C++)
- Can be embedded within html, commonly are used to add functionality to a Web page, such as different menu styles or graphic displays or to serve dynamic advertisements
- JavaScript, ASP, JSP, PHP, VBScript, Perl and Python are examples of scripting languages.



EXAMPLE: SYNDETTIC CONTENTS

- Nodes
- *<http://content.sirsi.net/uhtbin/getenrich/ISBN/NODE>*
- http://content.sirsi.net/uhtbin/getenrich/9780393710762/COVER_GIF
- Demo With JSP(JavaServer Pages) Using Eclipse



EXAMPLE: AMAZON ADVERTISING API

- You can get almost all functionalities that you see on www.amazon.com
- [Amazon Advertising API](#)
- Patrons recommend items
- Library staff reviews and then buy/reject
- [Demo Live Program](#)
- [Demo Coding with Coldfusion using Eclipse](#)



EXAMPLE: SIRSIDYNIX WEB SERVICES

- Sirsi Web Services is a web application that provides simplified remote access to features of the ILS.
- Providing a language-independent interface to the ILS.
- <http://webcat.rochesterpubliclibrary.org:8080/syws/rest/standard/lookupTitleInfo?clientID=endeca&itemID=0101814431249&includeAvailabilityInfo=true&includeItemInfo=true>
- [Documentation](#)
- Demo: Using Coldfusion to request information



NOVELIST AND OUR CATALOG

- Enhances our catalog with novelist features such as Extras, Reviews, Series, Read Alike etc.
- Harry Potter Example
- Documentation
- Demo using JSP. Codes from our catalog



QUESTIONS?

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